1	2	3
10.	Jharkhand	22
11.	Karnataka	25
12.	Kerala	1
13.	Madhya Pradesh	32
14.	Maharashtra	34
15.	Manipur	9
16.	Meghalaya	7
17.	Mizoram	8
18.	Nagaland	11
19.	Orissa	31
20.	Punjab	17
21.	Rajasthan	40
22.	Sikkim	4
23.	Tamil Nadu	26
24.	Tripura	4
25.	Uttar Pradesh	64
26.	Uttarakhand	13
27.	West Bengal	28
	TOTAL:	567

Manpower requirement of power sector

1180. SHRI RAJEEV SHUKLA: Will the Minister of POWER be pleased to state:

(a) whether it is a fact that Central Electricity Authority (CEA) has estimated additional manpower requirement of 10 lakh persons, more than 30 per cent of them skilled workers in the Eleventh Five Year Plan and 16.6 lakh in the Twelfth Five Year Plan to meet the capacity additional targets by 2012 and 2017;

(b) if so, the details thereof; and

(c) how Government proposes to meet the situation?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) Yes, Sir. It is fact that Central Electricity Authority (CEA) has estimated additional manpower requirement of 10 lakh persons with more than 30% of them skilled and semi skilled workers in the Eleventh Five Year Plan. 16.6 lakh personnel is the cumulative manpower

requirement in the construction and operation and maintenance (O&M) of the plants and the associated transmission and distribution network for Eleventh and Twelfth Plan.

(b) The details of the 10 lakh additional manpower in construction and Q&M in the Eleventh Plan are as under:—

Category	Construction	Operation and Maintenance	To accelerate construction	Total
Engineers	20,000	40,000	6,500	66,500
Supervisors	33,000	75,000	12,000	1,20,000
Skilled Workers	67,000	60,000	23,000	1,50,000
Semi-skilled	73,000	65,000	22,000	1,60,000
Unskilled	1,48,000	75,000	49,000	2,72,000
Non-technical	84,000	1,20,000	27,500	2,31,500
TOTAL:	4,25,000	4,35,000	1,40,000	l0,00,000

Additional manpower requirement during twelfth Plan is as under:—

Category	Construction	Operation and maintenance (including 7.5% recoupment)	Total
Engineers3,000	56,000	59,000	
Supervisors	4,000	1,05,000	1,09,000
Skilled workers	8,000	85,000	93,000
Semi-Skilled Workers	9,000	91,000	1,00,000
Unskilled Workers	15,000	1,05,000	1,20,000
Non-technical	9,000	1,68,000	1,77,000
TOTAL:	49,000	6,12,000	6,61,000

(c) Action taken by the Government to meet the manpower requirements of the power sector as under:—

(i) Ministry of Power and CEA have taken initiative under "Adopt an ITI" scheme since July, 2007. Under this scheme, the State Government ITIs are being adopted by power sector CPSUs and Private Project developers under Public Private Partnership scheme of the Directorate General of Employment and Training, Ministry of Labour and Employment to invest in augmentation and up-gradation of the training assets of ITIs around their project areas, especially in respect of trades that are relevant to the power industry.

(ii) Subsequently, this issue of Manpower requirement and their skill development has been emphasized during the Chief Ministers conference (2007), and recently held Power Ministers Conference in June, 2009 and November, 2009. State Government's have also been requested to facilitate adoption of ITI's by their State Power utilities.

Shortage of coal for power generation

1181. SHRI RAMA CHANDRA KHUNTIA: Will the Minister of POWER be pleased to state:

(a) whether there is loss of power generation due to shortage of Coal for the period April to September, 2009; and

(b) if so, the details thereof and the details of requirement of gas and coal to achieve the Twelfth Five Year Plan target?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) Yes, Sir.

(b) The generation loss aggregating 6.13 Billion Unit has been reported by the power utilities during April to September, 2009 due to shortage of coal.

Central Electricity Authority has estimated capacity addition requirement for Twelfth Plan to be about 1,00,000 MW comprising 20,000 MW hydro, 75,200 MW thermal and 4,800 MW nuclear to meet the demand projections of Seventeenth Electric Power Survey. The capacity addition target for Twelfth Plan is yet to be finalized. Furnishing details of gas and coal requirement for the Twelfth Plan is not feasible at present as the fuel-wise break-up of thermal capacity addition for the Twelfth Plan is yet to be firmed up.

Power generation situation

1182. SHRI RAJEEV CHANDRASEKHAR: Will the Minister of POWER be pleased to state:

(a) the number of households still lacking access to electricity in the country, State-wise;

(b) whether Government is aware of the fact that the generation of each megawatt of power is accompanied by an annual loss of rupees one crore; and

(c) if so, the steps Government proposes to take to implement mega power projects for generating 78,000 MW of power by 2012?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRI BHARATSINH SOLANKI): (a) Under RGGVY it is targeted to provide access to Rural House holds in 1.18 lakh villages. As on 16.11.2009 access to electricity have been provided to rural house holds in 66183 villages.

(b) No such estimate has been made by Ministry of Power.

(c) The following steps are being taken to achieve capacity addition target for the Eleventh Plan:—

(i) Rigorous monitoring of on-going generation projects at highest level by the Union